

## CLAIMS

What is claimed is:

1. An optical assembly, comprising:
  - a package including an optoelectronic component;
  - an alignment feature mounted to a surface of the package; and
  - a sleeve, wherein the alignment feature is inserted into the sleeve and the sleeve is sized to mate with a ferrule of a fiber optic connector.
2. The assembly of claim 1, further comprising:
  - the fiber optic connector, wherein the sleeve defines a bore receiving the alignment feature and the ferrule.
3. The assembly of claim 1, wherein the alignment feature comprises a cylindrical post having a hole allowing a light emitted by the package to pass through.
4. The assembly of claim 1, wherein the alignment feature comprises a solid post comprising a transmissive material allowing a light emitted by the package to pass through.
5. The assembly of claim 1, wherein the alignment feature comprises a solid partial sphere comprising a transmissive material allowing a light emitted by the package to pass through.
6. The assembly of claim 1, wherein the ferrule comprises part of a fiber optical connector.
7. The assembly of claim 6, wherein the fiber optical connector is selected from the group consisting of an LC connector, an ST connector, an SC connector, and an FC connector.
8. The assembly of claim 1, wherein the package is selected from a group consisting of an optoelectronic chip enclosure (OECE) and a TO can.
9. The assembly of claim 1, wherein the optoelectronic component is a laser.